

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-276888

(43)Date of publication of application : 09.12.1991

(51)Int.Cl.

B62D 55/104

(21)Application number : 02-075458

(71)Applicant : YAMAHA MOTOR CO LTD

(22)Date of filing : 27.03.1990

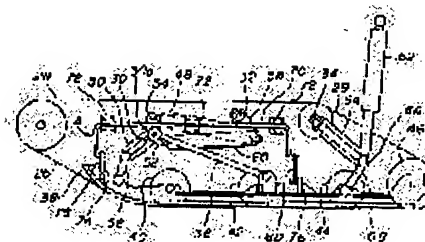
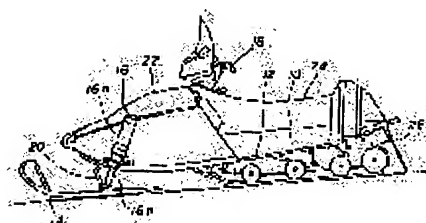
(72)Inventor : YAGI SUMIO

(54) SUSPENSION SYSTEM FOR SMALL SNOWMOBILE

(57)Abstract:

PURPOSE: To improve the extent of riding quality by supporting both front and rear parts of a slide rail supporting a driving track with each independent buffer, while installing an interlocking mechanism with such a spring as giving a restoring force in a direction where a difference between vertical positions in these front and rear parts is reduced.

CONSTITUTION: A small snowmobile is provided with a steering ski 14 and a driving track 26 in front and in the rear part, supporting this driving track 26 vertically movable by a slide rail type suspension system. In this slide rail type suspension, the vicinity of the central part of a symmetrical pair of slide rails 38 is pivotally attached to the rear end of a trailing arm 36. In addition, three levers 50, 52, 54 are attached tight to a cylinder 30a pivotally supported on a first shaft 30, and a tip of the lever 50 is connected to a front part of the slide lever 38 by a link 56, while a cushion unit 48 is contractedly installed in space between the lever 54 and a turning end of the lever 58. Moreover, a rear part of the slide rail 38 is supported by a symmetrical pair of cushion units 62, 62, and both front and rear parts of the slide rail 38 are interlockingly formed by a torsion spring 70.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office